UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 6,954,214 B2 Page 1 of 4

APPLICATION NO. : 09/780325
DATED : October 11, 2005
INVENTOR(S) : Wilt et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page, item (56), in "Other Publications", in column 2, line 12, after "229-299" insert -- (1997) --.

In the drawings:

On Sheet 4 of 9, in FIG. 4, please replace "FIG. 4" with the following figure.

FIG. 4

Signed and Sealed this Eighth Day of May, 2012

David J. Kappos

Director of the United States Patent and Trademark Office

CERTIFICATE OF CORRECTION (continued) U.S. Pat. No. 6,954,214 B2

In the drawings:

On Sheet 5 of 9, in FIG. 5, please replace "FIG. 5" with the following figure.

FIG. 5

```
const __decispec(align(16)) __m128 Const039 = _mm_set1_ps(
0.03928f );
const __decispec(align(16)) __m128 ConstInv1292 = _mm_set1_ps(
1.0f/12.92f );
const __decispec(align(16)) __m128 Const055 = _mm_set1_ps(
0.055f );
const __decispec(align(16)) __m128 ConstInv1055 = _mm_set1_ps(
1.0f/1.055f );
const __decispec(align(16)) __m128 Const1285 = _mm_set1_ps(
1.285f );
const __decispec(align(16)) __m128 Const0285 = _mm_set1_ps(
0.285f );
```

In the drawings:

On Sheet 6 of 9, in FIG. 6, please replace "FIG. 6" with the following figure.

CERTIFICATE OF CORRECTION (continued) U.S. Pat. No. 6,954,214 B2

In the drawings:

On Sheet 7 of 9, in FIG. 7, please replace "FIG. 7" with the following figure.

```
500
                    FIG. 7
     const __decispeo(align(16)) __m128 CONST00304 = _mm_set1_ps( 0.00304f );
     const __decispec(align(16)) __m128 CONST1292 = _mm_set1_ps( 12.92f );
     const __decispec(align(16)) __m128 CONST055 = _mm_set1_ps( 0.055f );
const __decispec(align(16)) __m128 CONST1055 = _mm_set1_ps( 1.055f );
     const __decispec(align(16)) __m128 CONST078 = _mm_set1_ps( 0.78f );
const __decispec(align(16)) __m128 CONST1m078 = _mm_set1_ps( 1.0f-0.78f );
     const __decispec(elign(16)) __m125 CONST38 = _mm_set1_ps( 0.38f );
     const __decispec(align(16)) __m128 CONST1m38 = _mm_set1_ps( 1.0f-0.38f );
     extern "C" void
     LinearTosRGBColor( Color *pOut, Color *pin )
        __m128 ansBelowDelta = _mm_mul_ps( *(__m128 *) pin, CONST1292 );
         __m128 sqrt3x = _mm_sqrt_ps( _mm_sqrt_ps( sqrtx ) );
__m128 pow124 = _mm_add_ps( _mm_mul_ps( CONST38, sqrtx ),
                          mm_div_ps(_mm_mul_ps(CONST1m38, sqrtx ), sqrt3x ) );
       __m128 ansAboveDelta = _mm_sub_ps( _mm_mul_ps( CONST1055, pow124 ), CONST055 );
         _m128 TruelfLTDelts = _mm_cmplt_ps( *(__m128 *) plr., CONST00304 );
       "(__m128 ") pOut = _mm_or_ps( _mm_and_ps( Truelft.TDoito, ansBelowDelta ),
                           mm_andnot_ps( TruelfLTDelta, ansAboveDelta ) );
```

CERTIFICATE OF CORRECTION (continued) U.S. Pat. No. 6,954,214 B2

In the drawings:

On Sheet 8 of 9, in FIG. 8, please replace "FIG. 8" with the following figure.

```
FIG. 8
                cispec(align(16)) __m128 Magic00384 = _mm_set1_pe( 0.00304f );
const __declspec(stign(16)) __m128 Magic1292 = _mm_set1_ps( 12.92f );
         __dedspec(align(16)) __m128 Magic1085 = _mm_set1_ps( 0.066f );
__dedspec(align(16)) __m128 Magic1085 = _mm_set1_ps( 1.056f );
__dedspec(align(16)) __m128 Magic1085 = _mm_set1_ps( 1.059.0f );
__dedspec(align(16)) __m128 MagicFudge = _mm_set1_ps( 0.00025f );
const
          const __declapac(a5gn(18)) __m128 Magic38 = _mm_set1_ps( D.381 );
const __declapac(a5gn(18)) __m128 Magic1m38 = _mm_set1_ps( 1.0f-0.38f );
extern "C" void
LinearTosRGBColor( Color "pCut, Color "pin )
      _m128 ans8elowDelta = _mm_mul_ps( *(
                                                                       _m126 *) pln, Magic1292 );
   __m126 eqrtx = _mm_sqri_ps( *(__m126 *) ptn );
__m126 sqrt2x = _mm_sqri_ps( sqrtx );
__m126 sppx = _mm_add_ps( _mm_msi_ps( Magic078, sqrtx ),
                           _mm_mul_ps( Magic1m078, sqrt2x ) );
       m128 cuberoot = _mm_sub_ps(
                        _mm_mul_ps( Magicinv3.
                             _mm_add_ps( _mm_add_ps( appx, appx ),
                                _mm_div_ps( _mm_mul_ps( *(__m128 *) ptn, sort2x ),
_mm_mul_ps( eppx, appx )
   __m128 ensAboveDelta = _mm_sub_ps( _mm_mul_ps( Magic1055, cubercot ), Magic1055 );
__m128 Truelft, TDelta = _mm_ompit_ps( "(__m128 ") pin, Magic10304 );
"(__m128 ") pOut = _mm_or_ps( _mm_ond_ps( Truelft, TDelta, ens&elowDelta ),
__mm_endnot_ps( Truelft, TDelta, ensAboveDelta ) );
```

In column 3, line 5, delete "modern" and insert -- modem --, therefor.

In column 3, line 32, delete " $x^{1/24}$ " and insert -- $x^{1/2.4}$ --, therefor.

In column 6, line 63, delete "
$$\mathbf{x}^{1/2.4} = \sqrt[3]{\sqrt{\mathbf{x}^{1.25}}}$$
" and insert -- $\mathbf{x}^{\frac{1}{2.4}} = \sqrt[3]{\mathbf{x}^{1.25}}$ --, therefor.

In column 6, line 64, after "which" insert -- can be --.

In column 8, line 1, delete " x^{05} " and insert -- $x^{0.5}$ --, therefor.

In column 8, line 40, delete "un-altered" and insert -- unaltered --, therefor.

In column 12, line 6, in Claim 8, after "having" delete "in" and insert -- an --, therefor.